



DEPARTMENT OF TRANSPORTATION
MATERIALS TRANSPORTATION BUREAU
WASHINGTON, D.C. 20590

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DEPARTMENT OF TRANSPORTATION

Research and Special Programs
Administration

49 CFR Parts 173, 178

[Docket No. HM-166C; Amdt. Nos. 173-14,
178-62]

Termination of Certain Regulations;
Obsolete Packaging Specifications

AGENCY: Materials Transportation
Bureau (MTB), Research and Special
Programs Administration, DOT.

ACTION: Final rule.

SUMMARY: The purpose of these amendments to the Department's Hazardous Materials Regulations is to remove certain specification packagings that are no longer being manufactured or are not in general use. This action is in keeping with Executive Order 12221 on "Improving Government Regulations". These amendments will result in fewer, simpler and less burdensome regulations.

EFFECTIVE DATE: September 11, 1980.

FOR FURTHER INFORMATION CONTACT:
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SUPPLEMENTARY INFORMATION: On
October 18, 1979, the MTB published a
Notice of Proposed Rulemaking, Docket
HM-166C; Notice No. 79-13; (44 FR
60112) which proposed to eliminate 27
DOT specification packagings from 49
CFR. The principal purpose of this
action is the termination of unnecessary
regulations. The elimination of 20
packaging specifications will result in a
reduction of 49 CFR by approximately 48
pages.

The Bureau received seventeen
comments on Notice 79-13.

The most significant difference
between the final rule and the proposed
rulemaking is that DOT Specifications
3B seamless steel cylinders, 5L steel
barrels or drums, 5P lagged steel drums,
6C steel barrels or drums, 37K steel
drums, 23F and 23H fiberboard boxes
are retained in this rulemaking.
According to the comments received,
these specific packagings are still being

manufactured and are in general use.
Steel cylinder Specifications 3C, 3D,
3A480X, 4, 4A, and 4C will continue to
be authorized for use as packagings for
materials listed in Part 173. However,
new construction is not authorized and
their specifications have been removed
from Part 178.

Specification 2A, inside containers,
metal can, pails and kits, steel barrels or
drum Specifications 5D, 5F, 5H, 5X, 6A,
6K, 17X, metal kegs Specification 13, and
aluminum barrels or drum Specifications
42C, 42E, 42F, 42G and 42H have all
been deleted from Parts 173 and 178.

One commenter recommended that
DOT Specification 42D aluminum drums
also be eliminated. Since Specification
42D was not included in Notice No. 79-
13, it has not been included in this
rulemaking. However, it will be included
in a notice of proposed rulemaking in
the near future. Any person having
knowledge of other specifications that
are no longer necessary should contact
Mr. Raines at the address or phone
number shown earlier in this preamble.

**PART 173—SHIPPERS—GENERAL
REQUIREMENTS FOR SHIPMENTS
AND PACKAGINGS**

In consideration of the foregoing,
Parts 173 and 178 of 49 CFR are
amended as follows:

1. In § 173.60, paragraphs (a)(2) and
(a)(3) are deleted; paragraph (a)(4) is
revised as follows:

**§ 173.60 Black powder and low
explosives.**

- (a) * * *
- (2) [Reserved]
- (3) [Reserved]
- (4) Specification 14, 15A, or 16A
(§§ 178.165, 178.168, 178.185 of this
subchapter). Wooden boxes with inside
fiber or metal containers not over 1½
pounds capacity each, or cotton bags of
at least 4 ounce cotton duck not over 25
pounds capacity each. The gross weight
of Specification 14 boxes may not
exceed 140 pounds and the gross weight
of Specification 15A or 16A boxes may
not exceed 200 pounds.

2. In § 173.93, paragraphs (a)(2), (a)(3),
and (a)(7) are deleted; paragraphs (a)(9),
(b)(1), (d)(1), and (e)(2) are revised as
follows:

**§ 173.93 Propellant explosives (solid) for
cannon, small arms, rockets, guided
missiles, or other devices, and propellant
explosives (liquid).**

- (a) * * *
- (2) [Reserved]
- (3) [Reserved]

- (7) [Reserved]

(9) Specification 14, 15A, 15B or 15C
(§§ 178.165, 178.168, 178.169, 178.170 of
this subchapter) wooden boxes, or
Specification 23F or 23H (§§ 178.214,
178.219 of this subchapter) fiberboard
boxes, with not more than four strong
inside tight metal containers of not more
than 25 pounds each. The gross weight
in fiberboard boxes may not exceed 65
pounds.

- (b) * * *

(1) Specification 5, 5A, 5B, 6B, or 6C
(§§ 178.80, 178.81, 178.82, 178.98, or
178.99 of this subchapter). Metal barrels
or drums.

- (d) * * *

(1) Specification 5, 5A, 5B, 6B, or 6C
(§§ 178.80, 178.81, 178.82, 178.98, 178.99
of this subchapter). Metal barrels or
drums.

- (e) * * *

(2) Specification 5B, 6B, 6C, 6D; also
17C or 17H (single-trip) containers
(§§ 178.82, 178.98, 178.99, 178.102,
178.115, 178.118 of this subchapter).
Metal barrel, drum, or cylindrical steel
overpack, with inside Specification 25
(§ 178.35 of this subchapter)
polyethylene container, packed inside a
strong, tight metal drum. Inside steel
drum must be surrounded on all sides
with at least 2 inches of incombustible
absorbent cushioning material uniformly
distributed. Polyethylene containers are
authorized only for liquids that will not
react dangerously with the plastic or
result in container failure.

3. In § 173.119, paragraphs (a)(10), and
(k)(2) are revised; paragraphs (a)(15),
(b)(6) and (k)(4) are deleted as follows:

**§ 173.119 Flammable liquids not
specifically provided for.**

- (a) * * *

(10) Specification 42B, (§ 178.107 of this subchapter). Aluminum drums.

(15) [Reserved]

(b) * * *

(6) [Reserved]

(k) * * *

(2) Specification 6B, or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

(4) [Reserved]

4. In § 173.121, paragraph (a)(3) is revised as follows:

§ 173.121 Carbon bisulfide (disulfide).

(a) * * *

(3) Specification 15A, 15B, 15C, 16A, or 19A (§§ 178.168, 178.169, 178.170, 178.185, 178.190 of this subchapter). Wooden boxes with strong inside metal containers or with inside glass or earthenware containers not over 5 pints capacity each.

5. In § 173.122, paragraph (a)(2) is revised as follows:

§ 173.122 Acrolein, inhibited.

(a) * * *

(2) Specification 15A, 15B, 15C, 16A, or 19A (§§ 178.168, 178.169, 178.170, 178.185, 178.190 of this subchapter). Wooden boxes with strong inside tight metal containers not over 5 gallons capacity each.

6. In § 173.127, paragraph (a)(2) is revised; paragraph (a)(3) is deleted as follows:

§ 173.127 Nitrocellulose or collodion cotton, fibrous or nitrostarch, wet; nitrocellulose flakes; colloided nitrocellulose, granular, flake, or block, and lacquer base or lacquer chips, wet.

(a) * * *

(2) Specification 6B, 6C, or 6J (§§ 178.98, 178.99, 178.100 of this subchapter). Metal barrels or drums not over 55 gallons capacity. Specification 6J (§ 178.100 of this subchapter) drums must have removable heads of 14 gauge metal or 16 gauge metal with one or more corrugations near the periphery and heads must have a minimum convexity of 3/4 inch; each drum must have three rolled or swedged-in hoops, one of which shall be in the body near the curl.

(3) [Reserved]

7. In § 173.134, paragraph (a)(2) is revised as follows:

§ 173.134 Pyroforic liquids, n.o.s.

(a) * * *

(2) Specification 15A, 15B, or 15C (§§ 178.168, 178.169, 178.170 of this subchapter) wooden boxes or Specification 12B (§ 178.205 of this subchapter) fiberboard boxes enclosing not more than four strong tight metal cans with inside containers of glass or metal, not over one quart capacity each, having positive screwcap closures adequately gasketed ahead of the threads. Inside containers must be cushioned on all sides with dry, absorbent, incombustible material in a quantity sufficient to absorb the entire contents. The strong tight metal cans must be closed by positive means, not by friction.

8. In § 173.135, paragraph (a)(4) is deleted as follows:

§ 173.135 Diethyl dichlorosilane, dimethyl dichlorosilane, ethyl dichlorosilane, ethyl trichlorosilane, methyl trichlorosilane, trimethyl chlorosilane, and vinyl trichlorosilane.

(a) * * *

(4) [Reserved]

9. In § 173.136, paragraph (a)(4) is deleted as follows:

§ 173.136 Methyl dichlorosilane and trichlorosilane.

(a) * * *

(4) [Revised]

10. In § 173.137, paragraph (a)(2) is revised as follows:

§ 173.137 Lithium aluminum hydride, ethereal.

(a) * * *

(2) Specification 6B, 6C, or 17H (single-trip) (§§ 178.98, 178.99, 178.118 of this subchapter). Metal barrels or drums with not more than one inside glass container not exceeding 2 gallons capacity. The inside container must be completely cushioned in sufficient incombustible cushioning material to completely absorb the contents in event of breakage.

11. In § 173.139, paragraph (a)(3) is revised as follows:

§ 173.139 Ethylene imine, inhibited, and propylene imine, inhibited.

(a) * * *

(3) Specification 6B, 6C, or 6J (§§ 178.98, 178.99, 178.100 of this subchapter). Metal barrels or drums, with one inside Specification 17E (§ 178.116 of this subchapter) metal drum not over 30 gallons capacity. Inside drum must be completely

surrounded with incombustible cushioning material.

12. In § 173.154, paragraph (a)(1) is revised as follows:

§ 173.154 Flammable solids, organic peroxide solids and oxidizers not specifically provided for.

(a) * * *

(1) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

13. In § 173.156, paragraph (a)(2) is deleted as follows:

§ 173.156 Barium peroxide and calcium peroxide.

(a) * * *

(2) [Reserved]

14. In § 173.160, paragraph (a)(2) is revised as follows:

§ 173.160 Calcium chlorite and sodium chlorite.

(a) * * *

(2) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

15. In § 173.161, paragraph (a)(2) is revised as follows:

§ 173.161 Calcium phosphide.

(a) * * *

(2) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

16. In § 173.163, paragraph (a)(1) is revised as follows:

§ 173.163 Chlorate of soda, chlorate of potash, and other chlorates.

(a) * * *

(1) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

17. In § 173.164, paragraph (a)(1) is revised as follows:

§ 173.164 Chromic acid or chromic acid mixture, dry.

(a) * * *

(1) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

18. In § 173.166, paragraph (a)(1) is revised as follows:

§ 173.166 Cobalt resinate, precipitated, calcium resinate, and calcium resinate fused.

(a) * * *

*) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

19. In § 173.175, paragraph (a)(2) is revised as follows:

§ 173.175 **Lacquer base, or lacquer chips, dry.**

(a) * * *
(2) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

20. In § 173.184, paragraph (a)(3) is revised; paragraph (a)(6) is deleted as follows:

§ 173.184 **Nitrocellulose or collodion cotton, wet, or nitrocellulose, colloidized, granular, or flake, wet, or nitrostarch, wet, or nitroguanidine, wet.**

(a) * * *
(3) Specification 6B, 6C, or 6J (§§ 178.98, 178.99, 178.100 of this subchapter). Metal barrels or drums not over 55 gallons capacity. Specification 6J (§ 178.100 of this subchapter) drums must have removable heads of 14 gauge metal or 16 gauge metal with one or more corrugations near the periphery and the heads must have a minimum convexity of $\frac{3}{8}$ inch; each drum must have three rolled or swedged-in hoops, one of which shall be in the body near the top curl.

(6) [Reserved]

21. In § 173.187, paragraph (a)(2) is revised as follows:

§ 173.187 **Peroxide of sodium.**

(a) * * *
(2) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

22. In § 173.188, paragraph (a)(2) is revised; paragraph (a)(4) is deleted as follows:

§ 173.188 **Phosphoric anhydride.**

(a) * * *
(2) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

(4) [Reserved]

23. In § 173.189, paragraph (a)(2) is revised as follows:

§ 173.189 **Phosphorus, amorphous, red.**

(a) * * *
(2) Specification 6B; also 37A or 37B (single-trip containers) (§§ 178.98, 178.131, 178.130 of this subchapter).

Metal barrels or drums. Gross weight not to exceed 160 pounds.

24. In § 173.190, paragraphs (b)(2) and (d)(1) are revised as follows:

§ 173.190 **Phosphorous, white or yellow.**

(b) * * *
(2) Specification 5A or 6B (§§ 178.81, 178.98 of this subchapter). Metal barrels or drums, not over 30 gallons capacity each.

(d) * * *
(1) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums, not over 30 gallons capacity each.

25. In § 173.191, paragraph (a)(2) is revised as follows:

§ 173.191 **Phosphorous pentachloride.**

(a) * * *
(2) Specification 6B or 6C; also 37A or 37B (single-trip containers) (§§ 178.98, 178.99, 178.131, 178.132 of this subchapter). "Black iron" metal barrels or drums.

26. In § 173.195, paragraphs (a)(2) and (b)(1) are revised as follows:

§ 173.195 **Pyroxylin plastic scrap.**

(a) * * *
(2) Specification 6B, 6C, or 6J; also 17H, 37A, or 37B (single-trip containers) (§§ 178.98, 178.99, 178.100, 178.118, 178.131, 178.132 of this subchapter). Metal barrels or drums.

(b) * * *
(1) Specification 6B or 6C; or 17H (single-trip) (§§ 178.98, 178.99, 178.118 of this subchapter). Metal barrels or drums.

27. In § 173.201, paragraph (a)(1) is revised as follows:

§ 173.201 **Rubber scrap, rubber buffings, reclaimed rubber, or regenerated rubber.**

(a) * * *
(1) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

28. In § 173.203, paragraph (a)(2) is revised as follows:

§ 173.203 **Tetranitromethane.**

(a) * * *
(2) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums, with an inside stainless steel or aluminum drum(s). The inside drum

may have no opening larger than 2.5 inches in diameter and must be securely closed by a gasketed screw type device. Gaskets must be made of materials that will not deteriorate upon contact with the contents. The inside drum(s) must be cushioned with not less than 2 inches of absorbent incombustible cushioning material. Each inside drum shall be of not less than 20 gauge metal and shall be tested for leakage before packing in the outside drum.

29. In § 173.204, paragraph (a)(2) is revised as follows:

§ 173.204 **Sodium hydrosulfite.**

(a) * * *
(2) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

30. In § 173.206, paragraph (a)(2) is revised as follows:

§ 173.206 **Sodium or potassium, metallic; sodium amide; sodium potassium alloys; sodium aluminum hydride; lithium metal; lithium silicon; lithium ferro silicon; lithium hydride; lithium borohydride; lithium aluminum hydride; lithium acetylide-ethylene diamine complex; aluminum hydride; cesium metal; rubidium metal; zirconium hydride, powdered.**

(a) * * *
(2) Specification 5, 5C, 6B, or 6C (§§ 178.80, 178.83, 178.98, 178.99 of this subchapter). Metal barrels or drums. Not authorized for lithium aluminum hydride or aluminum hydride.

31. In § 173.207, paragraphs (a)(2) and (b)(4) are revised as follows:

§ 173.207 **Sulfide of sodium or sulfide of potassium, fused or concentrated, when ground.**

(a) * * *
(2) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

(b) * * *
(4) Specification 6B or 6C (§§ 178.98, 178.99 of this subchapter). Metal barrels or drums.

32. In § 173.214, paragraphs (a)(1), (b)(1), (c)(1), and (d)(1) are revised as follows:

§ 173.214 **Hafnium metal or zirconium metal, wet, minimum 25 percent water by weight, mechanically produced, finer than 270 mesh particle size; hafnium metal or**

zirconium metal, dry, in an atmosphere of inert gas, mechanically produced, finer than 270 mesh particle size; hafnium metal or zirconium metal, wet, minimum 25 percent water by weight, chemically produced (see Note 1), finer than 20 mesh particle size; hafnium metal or zirconium metal, dry, in an atmosphere of inert gas, chemically produced (see Note 1), finer than 20 mesh particle size.

(a) * * *

(1) Specification 15A or 15B (§§ 178.166, 178.169 of this subchapter) wooden boxes or Specification 6B or 6C (§§ 178.96, 178.99 of this subchapter) metal drums with inside containers of glass or non-carbon polyethylene having net weight of not over 10 pounds each. Inside glass containers must be equipped with positive type clamp-on closures equipped with rubber gaskets. Inside polyethylene containers must have screw-cap closures equipped with gaskets ahead of thread and shall be of material which will not react with or be decomposed when in contact with contents. Screw-cap closures must be secured in place by suitable tape. Each glass or polyethylene container must be surrounded on all sides with not less than 1-inch of incombustible cushioning material and in an amount sufficient to completely absorb the entire liquid contents of the containers. Each inside glass or polyethylene container must be placed in a strong tight metal can closed with push-in cover held in place by soldering or crimping at least four points. The authorized net weight of hafnium in one outside container shall not exceed 40 pounds for wooden boxes and shall not exceed 150 pounds for steel drums.

(b) * * *

(1) Specification 6B or 6C (§§ 178.96, 178.99 of this subchapter) or spec. 17C, 17H, or 37A (single-bip containers) (§§ 178.115, 178.118, 178.131 of this subchapter). Metal barrels or drums with inside non-carbon polyethylene bottles having positive type clamp-on closures equipped with rubber gaskets or with screw-cap closures having not less than three continuous threads and equipped with gaskets ahead of threads not over 5 pounds net weight capacity each. Screw-cap closures must be secured in place by suitable tape. Each bottle must be placed in a Specification 2R (§ 178.34 of this subchapter) metal container having a wall thickness of one-fourth inch and be completely surrounded by cushioning material. Specification 2R containers must be separated from one another by incombustible cushioning material. The authorized net weight of metal in one

outside container shall not exceed 150 pounds.

(c) * * *

(1) Specification 15A or 15B (§§ 178.166, 178.169 of this subchapter) wooden boxes or Specification 6B or 6C (§§ 178.96, 178.99 of this subchapter) or 17C or 17H (single-bip containers) (§§ 178.115, 178.118 of this subchapter) metal drums with inside containers of glass or non-carbon polyethylene having net weight of not over 10 pounds each. Inside glass containers must be equipped with positive type clamp-on closures equipped with rubber gaskets. Inside polyethylene containers must have screw-cap closures equipped with gaskets ahead of the thread and shall be of material which will not react with or be decomposed when in contact with contents. Screw-cap closures must be secured in place by suitable tape. Each glass or polyethylene container must be surrounded on all sides with not less than 1-inch of incombustible cushioning material and in an amount sufficient to completely absorb the entire liquid contents of the containers. Each inside glass or polyethylene container must be placed in a strong metal can closed with push-in cover held in place by soldering or crimping at at least four points. The authorized net weight of zirconium in one outside container shall not exceed 40 pounds in wooden boxes and 150 pounds in steel drums.

(d) * * *

(1) Specification 6B or 6C (§§ 178.96, 178.99 of this subchapter) or Specification 17C, 17H, or 37A (single-bip containers) (§§ 178.115, 178.118, 178.131 of this subchapter). Metal barrels or drums with inside non-carbon polyethylene bottles having positive type clamp-on closures equipped with rubber gaskets, or with screw-cap closures having not less than three continuous threads and equipped with gaskets ahead of threads, not over 5 pounds net weight capacity each. Screw-cap closures must be secured in place by suitable tape. Each bottle must be placed in a Specification 2R (§ 178.34 of this subchapter) metal container having a wall thickness of one-fourth inch and be completely surrounded by cushioning material. Specification 2R containers must be separated from one another by incombustible cushioning material. The authorized net weight of metal in one outside container shall not exceed 150 pounds.

33. In § 173.217, paragraph (a)(1) is revised as follows:

§ 173.217 Calcium hypochlorite mixture, dry; lithium hypochlorite mixture, dry; mono-(trichloro) tetra-(monopotassium dichloro) pentamethylene, dry; potassium dichloro-*s-triazotriene*, dry; sodium dichloro-*s-triazotriene*, dry; vicikero-*s-triazotriene*, dry.

(a) * * *

(1) Specification 6B or 6C (§§ 178.96, 178.99 of this subchapter). Metal barrels or drums.

34. In § 173.225, paragraph (a)(2) is revised as follows:

§ 173.225 Phosphorus trisulfide, phosphorus monosulfide, phosphorus hexasulfide, and phosphorus pentasulfide.

(a) * * *

(2) Specification 6B or 6C (§§ 178.96, 178.99 of this subchapter). Metal barrels or drums, not over 30 gallons capacity each.

35. In § 173.226, paragraph (a)(1) is revised as follows:

§ 173.226 Zinc arsenocyanide.

(a) * * *

(1) Specification 6B or 6C (§§ 178.96, 178.99 of this subchapter). Metal barrels or drums.

36. In § 173.231, paragraph (a)(2) is revised as follows:

§ 173.231 Cadmium, metallic, crystalline.

(a) * * *

(2) Specification 6B or 6C (§§ 178.96, 178.99 of this subchapter). Metal barrels or drums, gross weight not over 350 pounds.

37. In § 173.233, paragraph (a)(3) is revised as follows:

§ 173.233 Mixed catalyst, finely divided, activated or spent.

(a) * * *

(3) Specification A, 6B, or 6C (§§ 178.00, 178.06, 178.99 of this subchapter). Metal barrels or drums, not over 55 gallons capacity each.

38. In § 173.236, paragraph (a)(3) is revised as follows:

§ 173.236 Benzodioxane.

(a) * * *

(1) Specification 6B or 6C (§§ 178.96, 178.99 of this subchapter). Metal barrels or drums.

39. In § 173.245, paragraphs (a)(9) and (a)(10) are deleted as follows:

§ 173.245 Corrosive liquids not specifically provided for.

(a) * * *

(9) [Reserved]

(10) [Reserved]

40. In § 173.252, paragraph (a)(2) is deleted as follows:

§ 173.252 Bromine.

(a) * * *

(2) [Reserved]

41. In § 173.253, paragraph (a)(3) is deleted as follows:

§ 173.253 Chloroacetyl chloride.

(a) * * *

(3) [Reserved]

42. In § 173.253, paragraph (a)(2) is deleted as follows:

§ 173.253 Hydrochloric (muriatic) acid; hydrochloric (muriatic) acid solution; hydrochloric (muriatic) acid solution; inhibited sodium chloride solution (not exceeding 45 percent sodium chloride) and clearing compounds, liquids, containing hydrochloric (muriatic) acid.

(a) * * *

(2) [Reserved]

43. In § 173.254, paragraph (a)(10) and Notes 1, 2, and 3 are deleted as follows:

173.254 Hydrofluoric acid, white acid.

(a) * * *

(10) [Reserved]

Note 1: [Deleted]

Note 2: [Deleted]

Note 3: [Deleted]

44. In § 173.255, paragraph (b)(1) is deleted as follows:

§ 173.255 Hydrofluosulfonic acid.

(b) * * *

(1) [Reserved]

45. In § 173.256, paragraph (b)(4) is deleted as follows:

§ 173.256 Hydrogen peroxide solution in water.

(b) * * *

(4) [Reserved]

46. In § 173.258, paragraph (c)(1) is revised as follows:

§ 173.258 Nitric acid.

(c) * * *

(1) Specification 42B (§ 178.107 of this subchapter). Aluminum drums.

47. Section 173.270 is revised as follows:

§ 173.270 Phosphorus tribromide.

(a) Phosphorus tribromide must be packed in specification containers as follows:

(1) Specification 15A, 15B, 15C, 16A, or 19A (§§ 178.168, 178.169, 178.170, 178.183, 178.190 of this subchapter). Wooden boxes with inside glass or earthenware containers not over 1 gallon each, except that inside containers up to 3 gallons each are authorized when only one container is packed in an outside packaging.

(2) Specification 5K or 5M (§§ 178.68, 178.90 of this subchapter). Nickel or monel drums not over 10 gallons capacity each.

48. In § 173.271, paragraph (a)(1) is deleted as follows:

§ 173.271 Phosphorus oxybromide, phosphorus oxychloride, phosphorus trichloride, and thiophosphoryl chloride.

(a) * * *

(1) [Reserved]

49. In § 173.272, paragraph (c) is revised; paragraph (i)(23) is deleted as follows:

§ 173.272 Sulfuric acid.

(c) Sulfuric acid concentration of 31 percent or less: Authorized packaging is described in paragraphs (1) through (16) and (24) through (26) of paragraph (i) of this section.

(i) * * *

(23) [Reserved]

50. In § 173.275, paragraph (a)(2) is revised as follows:

§ 173.275 Difluorophosphoric acid, anhydrous, monofluorophosphoric acid, anhydrous, hexafluorophosphoric acid, and mixtures thereof.

(a) * * *

(2) Specification 42B or 42D (§§ 178.107, 178.109 of this subchapter). Aluminum drums not over 55 gallons capacity.

51. In § 173.276, paragraph (a)(6) is revised as follows:

§ 173.276 Anhydrous hydrazine and hydrazine solution.

(a) * * *

(6) Specification 42B or 42D (§§ 178.107, 178.109 of this subchapter). Aluminum drums. Authorized for anhydrous hydrazine only.

52. In § 173.280, paragraph (a)(4) is deleted as follows:

§ 173.280 Trichloroallene.

(a) * * *

(4) [Reserved]

53. In § 173.288, paragraph (b) is deleted as follows:

§ 173.288 Chloroformates.

(b) [Reserved]

54. In § 173.295, paragraph (a)(7) is deleted as follows:

§ 173.295 Benzyl chloride.

(a) * * *

(7) [Reserved]

55. In § 173.302, paragraph (a)(1) is revised as follows:

§ 173.302 Charging of cylinders with nonliquefied compressed gases.

(a) * * *

(1) Specification 3, 3A, 3AA, 3B, 3C, 3D, 3E, 4, 4A, 4B, 4BA, 4BW, 4C, 23, 26, 33, or 38, (§§ 178.34, 178.37, 178.38, 178.42, 178.50, 178.51, 178.61 of this subchapter). See §§ 173.34 and 173.301(c).

Note 1.—Authorized cylinders containing oxygen which is continuously fed to tanks containing live fish may be shipped irrespective of the provisions of § 173.24.

56. In § 173.304, paragraphs (a)(1) and (d)(3)(i) are revised as follows:

§ 173.304 Charging of cylinders with liquefied compressed gases.

(a) * * *

(1) Specification 3, 3A, 3AA, 3B, 3BN, 3D, 3E, 4, 4A, 4B, 4BA, 4B-ET, 4BW, 4E, 9, 23, 26, 28, 29, 40, or 41, (§§ 178.38, 178.37, 178.38, 178.39, 178.42, 178.50, 178.51, 178.55, 178.61, 178.65, 178.68 of this subchapter), except that no Specification 4E, 9, 39, 40, 41 packaging may be charged and shipped with a mixture containing a pyrophoric liquid, carbon bisulfide (disulfide), ethyl chloride, ethylene oxide, nickel carbonyl, spirits of nitroglycerin, or poisonous material (class A, B, or irritating material), unless specifically authorized in this part.

(d) * * *

(3) * * *

(i) Specification 3, 3A, 3AA, 3B, 3E, 4A, 4B, 4BA, 4B40ET, 4BW, 4B240X, 4B240FLW, 4E, 4, 9, 23, 26, 38, 39, or 41 (§§ 178.36, 178.37, 178.38, 178.42, 178.50, 178.51, 178.55, 178.61, 178.54, 178.68, 178.48, 178.63, 178.65, 178.67 of this subchapter). The internal volume of a Specification 39 cylinder must not exceed 75 cubic inches.

57. In § 173.326, paragraph (a)(1) is revised as follows:

§ 173.326 Poison A material not specifically provided for.

(a) * * *

(1) Specification 33¹ or 3D¹ metal cylinders of not over 125 pounds water capacity (nominal). Gaskets if used between the protection cap and neck of cylinder must be renewed for each shipment. Cylinders not fitted with valve protection extension ring must be packed in wooden boxes complying with the construction, marking, and labeling requirements of § 173.25.

58. In § 173.326, paragraphs (b)(1) and (c)(1) are revised; footnote¹ is added as follows:

§ 173.326 Bromine, chlorine, and methyl chloride mixtures; chloroform and nonflammable, nonpressurized compressed gas mixtures.

(b) * * *

(1) Specification 3A, 3AA, 3B, 3C, 3E, 4A, 4B, 4BA, 4BW, or 4C¹ (§§ 173.36, 173.37, 173.38, 173.42, 173.50, 173.51, 173.61, of this subchapter). Cylinders having not over 250 pounds water capacity (nominal). Valves or other closing devices must be protected to prevent damage in transit, by screw-on metal caps or by packing the cylinders in strong boxes or crates. Cylinders having a wall thickness of less than 0.10 inch must be packed in boxes or crates complying with the construction, marking, and labeling requirements of § 173.25.

(c) * * *

(1) Specification 5A, 3AA, 3B, 3C, 3E, 4A, 4B, 4BA, 4BW, or 4C¹ (§§ 173.36, 173.37, 173.38, 173.42, 173.50, 173.51, 173.61, of this subchapter). Cylinders having not over 250 pounds water capacity (nominal). Valves or other closing devices must be protected to prevent damage in transit, by screw-on metal caps or by packing the cylinders in strong boxes or crates. Cylinders having a wall thickness of less than 0.10 inch must be packed in boxes or crates complying with the construction, marking, and labeling requirements of § 173.25.

59. In § 173.332, paragraph (a)(2) is revised; footnote¹ is added as follows:

§ 173.332 Hydrocyanic acid, liquid (prussic acid) and hydrocyanic acid liquefied.

(a) * * *

¹ Use of existing cylinders authorized, but new construction not authorized.

Specification 3A480, 3AA480, or 3A480X¹ (§§ 173.36, 173.37, of this subchapter). Metal cylinders of not over 275 pounds water capacity (nominal); a valve protection cap must be used and be at least 3/4 inch thick, gas-tight, with 3/4 inch faced seat for gasket and with a United States standard form thread; the cap must be capable of preventing injury or distortion of the valve when it is subjected to an impact caused by allowing cylinder, prepared as for shipment, to fall from an upright position with side of cap striking a solid steel object projecting not more than 6 inches above floor level.

60. In § 173.346, paragraph (a)(16) is revised; paragraph (a)(17) and (a)(23) are deleted as follows:

§ 173.346 Poison B liquids not specifically provided for.

(a) * * *

(16) Specification 42B or 42D (§§ 173.107, 173.108 of this subchapter).

Aluminum drums.

(17) [Reserved]

(23) [Reserved]

61. In § 173.353, paragraph (a)(3) and footnote¹ are revised as follows:

§ 173.353 Methyl bromide and methyl bromide mixtures.

(a) * * *

(3) Specification 3A225, 3AA225, 3B225, 3E1800, 4A225, 4B225, 4BA225, or 4BW225 (§§ 173.36, 173.37, 173.38, 173.42, 173.50, 173.51, 173.61 of this subchapter). Metal cylinders. Valves and other closing devices must be protected to prevent damage in transit, by screw-on metal caps or by packing the cylinders in strong boxes or crates. Cylinders having a wall thickness of less than 0.06 inch must be packed in boxes or crates (see § 173.25).

62. In § 173.354, paragraph (a)(1) is revised as follows:

§ 173.354 Motor fuel antiknock compound or tetraethyl lead.

(a) * * *

(1) Specification 15A (§ 173.168 of this subchapter). Wooden boxes with inside glass or earthenware containers of not over 1-pint capacity each, or metal cans, inclosed in hermetically sealed (soldered) strong metal cans.

¹ Use of cylinders authorized, but new construction not authorized.

63. In § 173.357, paragraph (b)(1) is revised; footnote¹ is added as follows:

§ 173.357 Chloroform and chloroform mixtures containing no compressed gas or Poison A liquid.

(b) * * *

(1) Specification 3A, 3AA, 3B, 3C, 3D, 3E, 4A, 4B, 4BA, 4BW, or 4C¹ (§§ 173.36, 173.37, 173.38, 173.42, 173.50, 173.51, 173.61, of this subchapter). Metal cylinders. Valves or other closing devices must be protected by screw-on metal caps, or by packaging the cylinders in boxes or crates, to protect the valves from damage during transportation. A cylinder closed by means of a solid plug may have the closure protected by a metal collar. Cylinders having a wall thickness of less than 0.06 inch must be packaged in boxes or crates. Each cylinder having a water capacity over 275 pounds must have a minimum design pressure of 225 p.s.i.g., unless the specification requires a higher minimum design pressure.

64. In § 173.360, paragraph (a)(3) is deleted as follows:

§ 173.360 Perchloro-methyl mercaptan.

(a) * * *

(3) [Reserved]

65. In § 173.361, paragraph (a)(2) is revised as follows:

§ 173.361 Aldrin mixtures, liquid, with more than 80 percent aldrin.

(a) * * *

(2) Specification 6B or 6C (§§ 173.98, 173.99 of this subchapter). Metal barrels or drums. Authorized only for viscous mixtures or those which may become partially solid.

66. In § 173.362, paragraph (a)(4) is revised as follows:

§ 173.362 4-Chloro-o-toluidine hydrochloride.

(a) * * *

(4) Specification 6B or 6C (§§ 173.98 or 173.99 of this subchapter). Metal barrels or drums.

67. In § 173.365, paragraph (a)(1) is revised as follows:

§ 173.365 Poison B solids not specifically provided for.

(a) * * *

(1) Specification 5, 5A, 5B, 6B, or 6C (§§ 173.60, 173.61, 173.62, 173.98, 173.99 of this subchapter). Metal barrels or drums.

¹ Use of existing cylinders authorized, but new construction not authorized.

66. In § 173.369, paragraphs (a)(1) and (a)(12) are revised as follows:

§ 173.369 Carbolic acid (phenol), not liquid.

(a) * * *

(1) Specification 5, 5A, 5B, 5C, 6B, or 6C (§§ 178.80, 178.81, 178.82, 178.83, 178.96, or 178.99 of this subchapter). Metal barrels or drums.

(12) Specification 42B (§ 178.107 of this subchapter). Aluminum drums.

69. In § 173.370, paragraph (a)(4) is revised as follows:

§ 173.370 Cyanides and cyanide mixtures, dry.

(a) * * *

(4) Specification 5, 5A, 5B, 6B, or 6C (§§ 178.80, 178.81, 178.82, 178.96, 178.99 of this subchapter). Metal barrels or drums.

70. In § 173.377, paragraphs (a)(3) and (b)(3) are revised as follows:

§ 173.377 Hexaethyl tetraphosphate mixtures; methyl parathion mixtures; organic phosphorus compound mixtures; organic phosphorus compound mixtures; parathion mixtures; tetraethyl dihydro pyrophosphate mixtures; and tetraethyl pyrophosphate mixtures, dry.

(a) * * *

(3) Specification 5, 5B or 6C (§§ 178.80, 178.82, 178.99 of this subchapter). Metal barrels or drums.

(b) * * *

(3) Specification 5, 5B or 6C (§§ 178.80, 178.82, or 178.99 of this subchapter). Metal barrels or drums.

71. In § 173.382, paragraph (a)(2) is revised as follows:

§ 173.382 Irritating materials, not specifically provided for.

(a) * * *

(2) Specification 6B or 6C (§§ 178.96, 178.99 of this subchapter). Metal barrels or drums.

PART 178—SHIPPING CONTAINER SPECIFICATIONS

§§ 178.20, 178.40, 178.41, 178.43, 178.46, 178.49, 178.82, 178.84, 178.85, 178.87, 178.91, 178.97, 178.101, 178.104, 178.106, 178.110, 178.111, 178.112, 178.119, 178.136 and 178.140 (Deleted)

72. In Part 178, §§ 178.20, 178.40, 178.41, 178.43, 178.46, 178.49, 178.52, 178.84, 178.85, 178.87, 178.91, 178.97, 178.101, 178.106, 178.110, 178.111, 178.112, 178.119, 178.136 and 178.140 are deleted.

(49 U.S.C. 1803, 1804, 1808; 49 CFR 1.53 and App. A to Part 1)

Note.—The Materials Transportation Bureau has determined that this document will not have a major economic impact under the terms of Executive Order 12044 and DOT implementing procedures (44 FR 11034), nor an environmental impact under the National Environmental Policy Act (49 U.S.C. 4321 et seq.). A regulatory evaluation is available for review in the docket.

Issued in Washington, D.C., on September 8, 1980.

L. H. Samman,

Director, Materials Transportation Bureau.

(FR Doc. 80-2797 Filed 9-10-80; 8:45 am)

BILLING CODE 4910-50-5

Federal Register / Vol. 45, No. 178 / Thursday, September 11, 1980